

**From:** Angela McFadden/R3/USEPA/US  
**Sent:** 6/9/2011 4:11:05 PM  
**To:** Brent Heverly/R3/USEPA/US@EPA  
**CC:**  
**Subject:** access to QP

Angela McFadden

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----- Forwarded by Angela McFadden/R3/USEPA/US on 06/09/2011 04:10 PM -----

**From:** Jaime Lozano/DC/USEPA/US  
**To:** Angela McFadden/R3/USEPA/US@EPA  
**Date:** 06/09/2011 04:05 PM  
**Subject:** Re: Fw: Treasure trove of data on PA flow back and produced waters

Hi Angela,

this is Jaime Lozano I am the intern working under Marcus supervision. I was wondering if you can help me access shale gas Quick Place site. Please email me back as you get a chance. Thank you,

Jaime Lozano  
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**From:** Marcus Zobrist/DC/USEPA/US  
**To:** Jaime Lozano/DC/USEPA/US@EPA  
**Date:** 06/09/2011 03:37 PM  
**Subject:** Fw: Treasure trove of data on PA flow back and produced waters

Jaime,

As discussed earlier today. As a first step, see if you can access the link below.. If not, please send a note to Angela asking for access to shale gas Quick Place site, her address is at the bottom of the emails below.

Marcus Zobrist, Chief  
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----- Forwarded by Marcus Zobrist/DC/USEPA/US on 06/09/2011 03:24 PM -----

From: Jeanne Briskin/DC/USEPA/US  
To: Marcus Zobrist/DC/USEPA/US@EPA  
Cc: Susan Burden/DC/USEPA/US@EPA, Nathan Wiser/R8/USEPA/US@EPA, Christopher Impellitteri/CI/USEPA/US@EPA, Robert Puls/ADA/USEPA/US@EPA  
Date: 06/09/2011 10:49 AM  
Subject: Re: Treasure trove of data on PA flow back and produced waters

Hi Marcus,

thanks for your note and the news. We were not aware of this data in Region 3. It would be terrific if your intern could develop a statistical summary, as we have not started on anything like that and could definitely use it! Perhaps we should talk briefly about how to organize the material. I'd like to include Susan Burden, who has been doing similar work on the HF chemical data and Chris Impellitteri, who is taking the lead on wastewater treatment for us. I think Chris may be on travel until next week. Would Monday be too late to meet?

I'll send an appt... please propose a better date/time if needed, and invite whoever you think needs to be there, and would be happy to come to your office if you have a room. We can add Chris by phone.

Let me know what works for you, and thanks for reaching out w/ this info.

Jeanne

Jeanne Briskin,  
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-----Marcus Zobrist/DC/USEPA/US wrote: -----  
To: Jeanne Briskin/DC/USEPA/US@EPA  
From: Marcus Zobrist/DC/USEPA/US  
Date: 06/09/2011 10:14AM  
Subject: Treasure trove of data on PA flow back and produced waters  
(See attached file: 26R 2010 Cabot Oil & Gas 1 Dimock Co Susquehanna PA.pdf)

Jeanne,

On the PA fracking call yesterday, R3 mentioned that they had a lot of data (approximately 1,000 pages) from 2010 on the chemical constituents (including radionuclides), volumes and ultimate treatment / disposal of on their facturing flow back and produced waters. All this information is publicly available, as it is submitted by the drillers to PADEP on a PA required form (Form 26 R) with the lab sheets and use of EPA methods and certified as true and accurate by a responsible party of the driller. The existence of this treasure trove of data and this State-required reporting info was news to me and to the folks from OGWDW that were on the call. I assume you are fully aware of this data, but thought I would pass it on in just in case`.

R3 seemed to imply that they have not done much to analyze this info, nor did they imply that they would be doing so in the future. If ORD or others in the Agency are not analyzing the data, I will be happy to task my summer intern to develop a statistical summary. Before I do so, I would appreciate your recommendations on how to do so. I assume the 2011

reporting would also be available.

Attached is one examples, there are at least 50 more (available in the first link below) ....

*(See attached file: 26R 2010 Cabot Oil & Gas 1 Dimock Co Susquehanna PA.pdf)*

Marcus Zobrist, Chief  
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----- Forwarded by Marcus Zobrist/DC/USEPA/US on 06/09/2011 09:48 AM -----

From: Robin Danesi/DC/USEPA/US  
To: Marcus Zobrist/DC/USEPA/US@EPA  
Date: 06/08/2011 03:10 PM  
Subject: 26 R report information

Here is the info I have on 26 R reports

Robin

~~~~~

Robin L. Danesi  
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Office of Wastewater Management  
US Environmental Protection Agency  
danesi.robin@epa.gov  
(202) 564-1846

----- Forwarded by Robin Danesi/DC/USEPA/US on 06/08/2011 03:08 PM -----

From: Angela McFadden/R3/USEPA/US  
To: Robin Danesi/DC/USEPA/US@EPA  
Cc: John Lovell/R3/USEPA/US@EPA, Linda Boornazian/DC/USEPA/US@EPA, Brian Trulear/R3/USEPA/US@EPA, Evelyn MacKnight <macknight.evelyn@EPA.gov>  
Date: 04/08/2011 04:20 PM  
Subject: Re: Question on POTWs

Robin,

The very best information on the destination of frac wastewater comes from the 26R forms submitted to PADEP. We have a nice collection of these forms from PADEP's southwest regional office and will be obtaining more from the northwest and north central regional offices.

Some have questioned whether the 26Rs capture the full story but they are the best information we have so far as they state how much (annual total) waterwater is going to each disposal or treatment facility.

I know at least one operator reported how much wastewater they recycled in 2009 but I haven't checked the 26Rs since to see if other operators also report this. They aren't required to report how much they recycle.

Here's the QP link to the folder containing all the 26R forms we've collected to date:

[https://epagpx.rtp.epa.gov/QuickPlace/retf/Main.nsf/h\\_3CB57483586C67D78525784F0071E239/B00ED782F29E0F218525785600652C05/?OpenDocument](https://epagpx.rtp.epa.gov/QuickPlace/retf/Main.nsf/h_3CB57483586C67D78525784F0071E239/B00ED782F29E0F218525785600652C05/?OpenDocument)

The PA administrative orders restricting acceptance at POTW is also posted at:

There might also be restrictions that apply per NPDES permits and eventually we'll probably have all the NPDES permits posted on the quickplace site as well.

hope this helps!

Angela

Angela McFadden

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Robin Danesi---04/08/2011 08:35:58 AM---Angela-- We are hearing alot about the SGE Water getting recycled by the drilling companies and we a

From: Robin Danesi/DC/USEPA/US  
To : Angela McFadden/R3/USEPA/US@EPA  
Cc : Linda Boornazian/DC/USEPA/US@EPA, John Lovell/R3/USEPA/US@EPA  
Date: 04/08/2011 08:35 AM  
Subject : Question on POTWs

Angela--

We are hearing alot about the SGE Water getting recycled by the drilling companies and we are trying to determine what percentage of wastewater may still be going to POTWs and CWTs. Do you have any information on this subject. Maybe how much wastewater facilities are accepting or how much the CWTs have been permitted to accept?

If you don't know maybe John, you have some data?

Thanks!  
Robin

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Robin L. Danesi  
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(202) 564-1846[attachment "26R 2010 Cabot Oil & Gas 1 Dimock Co Susquehanna PA.pdf" deleted by Jaime Lozano/DC/USEPA/US]